

ABSTRACT OF THE DISCLOSURE

For provision of a method of analysis of DNA sequence, reagent kit used therefore and DNA sequence analyzer for detecting single nucleotide polymorphisms (SNPs) of DNA, reagents for complementary strand extension reaction and chemiluminescence-reaction are pretreated with pyrophosphatase and apyrase. An impurity PPi which disturbs the chemiluminescence-reaction is degraded by pyrophosphatase, while an impurity ATP is degraded by apyrase. The reagents thus pretreated are used for the complementary strand extension reaction and chemiluminescence-reaction.